Docket No.: 42P16368

100

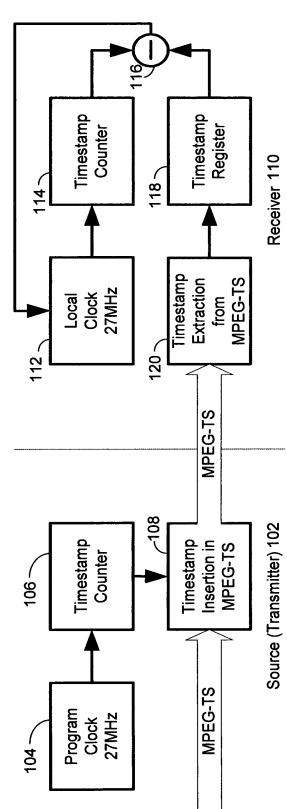


FIG. 1

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MEDIA APPLICATIONS

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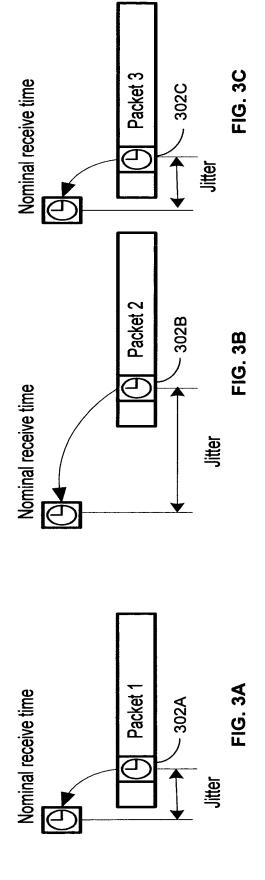
200

MPEG-TS PACKETS 208~ 206 ~ HEADER RTP UDP HEADER 204 HEADER <u>a</u> 202

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400

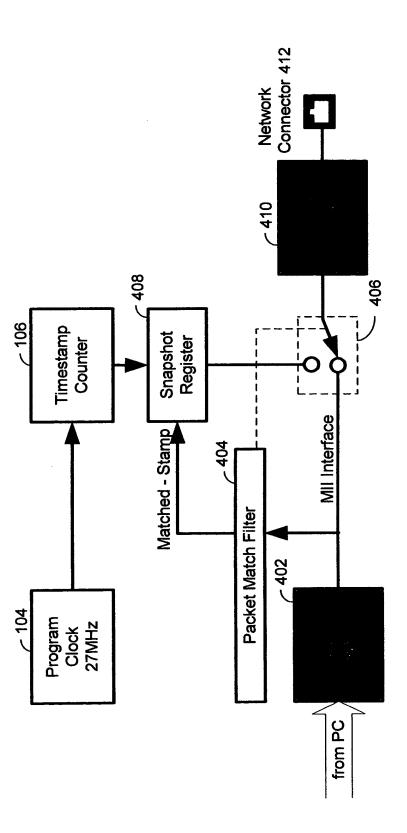


FIG. 4

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<u>500</u>

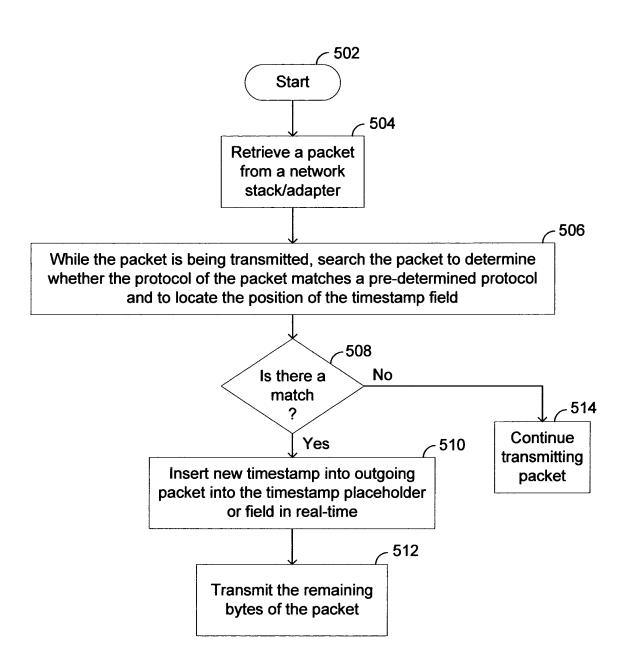
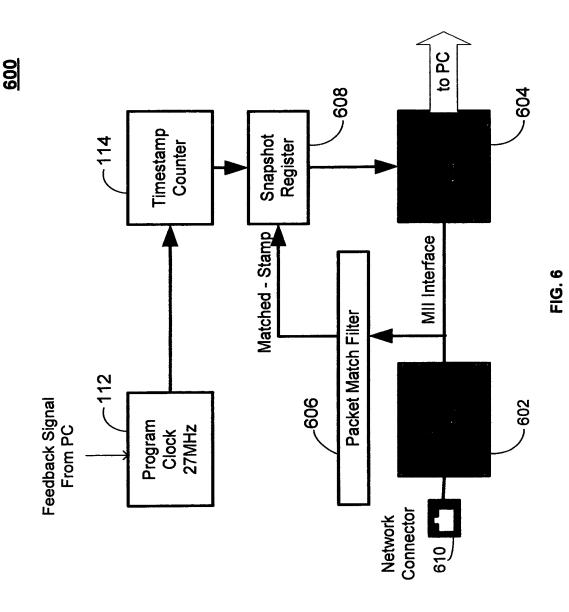


FIG. 5

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Title: A TIMESTAMPING NETWORK CONTROLLER FOR STREAMING
MEDIA APPLICATIONS

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Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200 Title: A TIMESTAMPING NETWORK CONTROLLER FOR STREAMING MEDIA APPLICATIONS 1st Named Inventor: Dmitrii Loukianov Express Mail No.: EV325528030US Docket No.: 42P16368 Sheet: 7 of 8 **700** 702 Start - 704 Receive packet from network - 706 Search the received packet to determine if the packet matches a pre-determined protocol and to locate the timestamp field 708 Is there a No match - 718 The received Yes 710 packet is sent to a PC Determine a local timestamp in realtime at the instant the timestamp field is located 712 Append the local timestamp to the received packet if the packet is valid - 714 Forward the received packet to a memory buffer and then to a software stack in the PC -716

FIG. 7

Determine an error signal for adjusting the frequency of the local program clock

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<u>716</u>

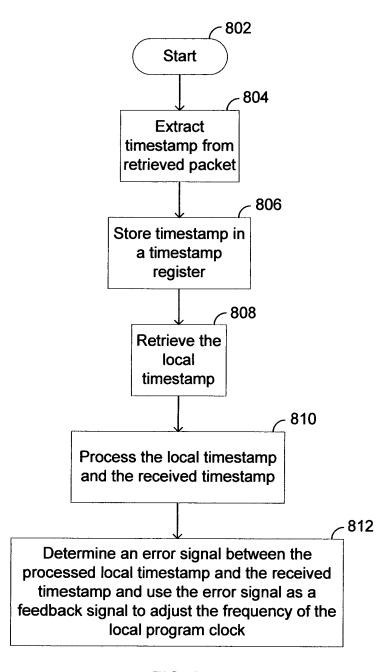


FIG. 8